

[illegible]

<110> The Curators of the University of Missouri

&lt;120&gt; PHAGE DISPLAY SELECTION OF ANTI FUNGAL PEPTIDES

<130> UMO 1521.1

<150> US 60/195,785

<151> 2000-04-10

<160> 48

<170> PatentIn version 3.0

$\langle 210 \rangle$  1

<211> 33

<212> PRT

<213> Type 88 filamentous bacteriophage

<220>

<221> VARIANT

<222> (9) . . (23)

<223> x=any amino acid encoded by the codon NNK

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1				5				10						15	

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Pro Ala Glu Gly Asp Asp Pro Ala Lys  
20 25 30

Ala

<210> 2

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 $\langle 222 \rangle \quad (1) \cdot \bar{(20)}$ 

<223> Primer

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<210> 24

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"T00T0"0726360





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Leu Leu Pro Val Ser Pro Pro Phe Ala Pro Asn Ala Ser Ser Thr  
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Met Ser Asn Phe Pro Thr Ser His Ala Pro Cys Pro Val Glu Ile  
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Glu Phe Arg Lys Asn Tyr Pro Ser Ala Ala Pro Leu Ile Pro Arg  
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Pro Xaa Val His Gly Ser Ile Pro Leu Thr Pro Pro Leu Gly Phe  
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Leu Phe Xaa Cys Tyr Pro Pro Cys Thr Tyr Ser Tyr Cys Leu Ser  
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<400> 39

Pro Thr Leu Gly Arg Phe Asn Arg Pro Ser Cys Ser Ile Ile Val  
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<210> 40

<211> 15

<212> PRT

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<211> 15

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<220>

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<400> 42



<220>  
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36

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<400> 47  
 ctagactatg ttggtgacat tgatggtcta tctgct

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<400> 48

Met Arg Phe Pro Ser Ile Phe Thr Ala Val Leu Phe Ala Ala Ser Ser

P  
 e  
 p  
 t  
 i  
 d  
 e  
 s  
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 i  
 b  
 e  
 d  
 i  
 n  
 t  
 h  
 e  
 f  
 i  
 l  
 e

1					5					10					15
Ala	Leu	Ala	Ala	Pro	Val	Asn	Thr	Thr	Thr	Glu	Asp	Glu	Thr	Ala	Gln
			20				25						30		
Ile	Pro	Ala	Asp	Ala	Val	Ile	Gly	Tyr	Ser	Asp	Leu	Glu	Gly	Asp	Phe
			35				40						45		
Asp	Val	Ala	Val	Leu	Pro	Phe	Ser	Asn	Ser	Thr	Asn	Asn	Gly	Leu	Leu
			50				55						60		
Phe	Ile	Asn	Thr	Thr	Ile	Ala	Ser	Ile	Ala	Ala	Lys	Glu	Glu	Gly	Val
			65				70						75		
Ser	Leu	Glu	Lys	Arg	Leu	Ala	Ala	Gly	Thr	Pro	Ala	Leu	Gly	Asp	Asp
			85										95		
Arg	Gly	Arg	Pro	Trp	Pro	Ala	Ser	Leu	Ala	Ala	Leu	Ala	Leu	Asp	Gly
			100										110		
Lys	Leu	Arg	Thr	Asp	Ser	Asn	Ala	Thr	Ala	Ala	Ala	Ser	Thr	Asp	Phe
			115										125		
Gly	Asn	Ile	Thr	Ser	Ala	Leu	Pro	Ala	Ala	Val	Leu	Tyr	Pro	Ser	Thr
			130										140		
Gly	Asp	Leu	Val	Ala	Leu	Leu	Ser	Ala	Ala	Asn	Ser	Thr	Pro	Gly	Trp
			145										155		
Pro	Tyr	Thr	Ile	Ala	Phe	Arg	Gly	Arg	Gly	His	Ser	Leu	Met	Gly	Gln
			165										175		
Ala	Phe	Ala	Pro	Gly	Gly	Val	Val	Val	Asn	Met	Ala	Ser	Leu	Gly	Asp
			180										190		
Ala	Ala	Ala	Pro	Pro	Arg	Ile	Asn	Val	Ser	Ala	Asp	Gly	Arg	Tyr	Val
			195										205		
Asp	Ala	Gly	Gly	Glu	Gln	Val	Trp	Ile	Asp	Val	Leu	Arg	Ala	Ser	Leu
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			225										235		
Val	Gly	Gly	Thr	Leu	Ser	Asn	Ala	Gly	Ile	Ser	Gly	Gln	Ala	Phe	Arg
			245										255		
His	Gly	Pro	Gln	Ile	Ser	Asn	Val	Leu	Glu	Met	Asp	Val	Ile	Thr	Gly
			260										270		
His	Gly	Glu	Met	Val	Thr	Cys	Ser	Lys	Gln	Leu	Asn	Ala	Asp	Leu	Phe
			275										285		
Asp	Ala	Val	Leu	Gly	Gly	Leu	Gly	Gln	Phe	Gly	Val	Ile	Thr	Arg	Ala
			290										300		
Arg	Ile	Ala	Val	Glu	Pro	Ala	Pro	Ala	Arg	Ala	Arg	Trp	Val	Arg	Phe





Parameter	Unit	Value	Standard Error	95% CI	P-value
Intercept		1.00	0.00	1.00	0.00
Age	Year	0.02	0.01	-0.01, 0.05	0.15
Gender		0.05	0.02	-0.01, 0.11	0.08
Education	Year	0.01	0.00	0.00, 0.02	0.00
Income	Year	0.01	0.00	0.00, 0.02	0.00
Health		0.05	0.02	-0.01, 0.11	0.08
Marital		0.05	0.02	-0.01, 0.11	0.08
Religion		0.05	0.02	-0.01, 0.11	0.08
Occupation		0.05	0.02	-0.01, 0.11	0.08
Residence		0.05	0.02	-0.01, 0.11	0.08
Time	Year	0.01	0.00	0.00, 0.02	0.00
Time <sup>2</sup>	Year	0.00	0.00	-0.00, 0.00	0.00
Time <sup>3</sup>	Year	0.00	0.00	-0.00, 0.00	0.00
Time <sup>4</sup>	Year	0.00	0.00	-0.00, 0.00	0.00
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